

## *Space Coast Aviation Safety Alliance*

### **Minutes of the October 21, 2016 Meeting of the Space Coast Aviation Safety Alliance**

1. The Florida Institute of Technology (FIT) hosted the Space Coast Aviation Safety Alliance (SCASA) meeting on 21 October 2016 at the Emil Buehler Center located at 801 Harry Goode Way, Melbourne FL 32901. The meeting commenced at 0900.
2. The concept of SCASA was founded in 2013. A few members of the Space Coast aviation community decided that their specific areas of responsibility and mission functions would benefit from a cross-talk between other local aviation organizations. Thanks were extended to the founding members of this truly valuable alliance. Since its inception, SCASA has met 6 times; hosted by Kennedy Space Center, Bristow Academy and Valient Air Command, 920<sup>th</sup> Rescue Wing, Embry-Riddle Aeronautical University, and FIT.
3. The following members attended:

Greg Fox	Director of Safety, FIT Aviation	gfox@fit.edu
Scott, Winston	Senior Vice President External Relations and Economic Development, FIT	wscott@fit.edu
McKnight, Kodey	Bristow Academy	Kodey.mcknight@bristowgroup.com
Torsani, Joe	Chief Pilot / Aviation Safety Officer, KSC Flight Ops	Joseph.A.Torsani@nasa.gov
Sands, Chris	Brevard County Sheriff's Office Aviation Division	Chris.sands@bcso.us
Martin, William	NASA Pilot, KSC Flight Ops	William.h.martin@nasa.gov
Graves, John	Chief UAS Pilot, KSC Flight Ops	John.a.graves@nasa.gov
Ramsey, Dave	Chief of Flight Operations, KSC Flight Ops	David.ramsey@nasa.gov
Ciacchi, Piercarlo	Starfighters	piero@starfighters.net
Karpowich, Andre	NASA Pilot, KSC Flight Ops	Andre.a.karpowich@nasa.gov
Senior, Jacob	KSC FOMMS Program Manager / Orlando Aviation Consultants	Jacob.a.senior@nasa.gov
Fidler, James	45SW Flight Safety	James.fidler@us.af.mil
Ladd, Art	ER Airspace Manager	Arthur.ladd@us.af.mil
Grant, Jacki	Range Scheduling	Jacqueline.grant.2@us.af.mil
Randy Nash	Bristow Academy	Randall.nash@bristowgroup.com
Kogut, Joshua	Bristow Academy	Joshua.kogut@bristowgroup.com
Haaland, Alan	Flight Safety Vero Beach	Alan.haaland@flightsafety.com
Tatton, John	920 <sup>th</sup> Rescue Wing	John.tatton@us.af.mil
Jex, Robert	Orlando FSDO FAAST Team Leader	Robert.jex@faa.gov

4. Greg Fox opened the meeting by introducing himself, welcoming the members and sharing his appreciation to Joe Torsani and other members who founded the alliance. He also briefly explained FIT's role in aviation training and safety and their goal of turning out graduates for the

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national and global aviation industry who have been trained in a strong safety culture. He noted that the Melbourne Tower Chief could not attend due to a prior commitment and described the current Melbourne International Airport projects, taxiway reconfiguration, new airport tenants and customers, resurgence of space and aeronautics business activity in Brevard County. He indicated that construction for a new Melbourne control tower is expected to commence in the next few months, as well as resurfacing runway 05/23 during the period that it must be closed due to a phase of tower construction that will block the view of the approach areas to that runway. Greg relayed regrets on behalf of his safety colleagues from Embry Riddle who could not attend due to prior commitments. He explained the Central Florida Flight Training Group activity aimed at flight training safety and mutual training concerns, and described the concerns for operations safety at non-towered airports. He mentioned that these are complementary activities to some of the SCASA activities, although more narrowly focused on flight training. Greg introduced the proposed agenda and asked if there were any additional items anyone wanted to introduce at the meeting.

5. John Graves recapped the previous SCASA meeting that was hosted by NASA and noted that it had included discussion relating to 'state of the UAS world' and the Federal Aviation Administration's (FAA) status of Part 107. The terms UAS and Drone are used interchangeably and include remotely piloted aircraft (RPA), unmanned aerial vehicles (UAV) and unmanned aerial systems (UAS). There were no open items from the previous meeting. Greg initiated a quick introduction of the members present.

6. Specific topics of discussions covered in the agenda included:

- a. Designation of Alert/Training Areas and ensuring annotation in the Flight Information Publications (FLIPS) and Sectional Charts. POC: FIT Aviation.
- b. Participants described the Safety Management System (SMS) used in their organizations and the importance of immersion of aviation students in safety management while they are in training programs.
- c. Eastern Range (ER) Scheduling functions: 1) operational scheduling for activity on Cape Canaveral, Kennedy Space Center and Special Use Airspace (rocket tests, UAS, Starfighter, etc.) 2) providing advisory airspace service (Cape Advisory) and control service during launch operations (Cape Control). POCs: Art Ladd/Jacki Grant
- d. No need to reinvent the wheel. Joe Torsani discussed numerous safety enhancement programs in use that he obtained from other agencies and modified to meet his requirements. POC: Joe Torsani
- e. 45SW Safety recently approved 4 UAS safety packages for flight in Special Use Airspace (R2932, R2933, R2934). POC: James Fidler

7. Greg Fox provided his first-hand experience and knowledge of an accident investigation in which he was the Operations Group Leader for the investigation team and described how the team interacted with the NTSB team and benefitted from NTSB advice and expertise. American Airlines Flight 331, Boeing 737-800, 22 Dec 2009, Kingston Jamaica. He showed some pictures of the accident scene and discussed the many contributing factors. These included weather, ATC, airport, CAA, FAA, Airline Management and training culture, communications, limited diversion options based on stale NOTAM information, runway actual condition and condition reporting, pilot communication and decision making, aircraft performance, and post accident

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response. He highlighted how the interactions of all of these factors were in play during the chain of events preceding the accident, and noted that no accident is simply due to a single point failure or error and that we learn so much from these events that helps to improve safety of operations. Excellent briefing!

8. Bob Jex, Orlando Flight Safety District Office, provided an update of changes and latest news from the FAA and provided a briefing on commercial UAS operator licensing requirements under CFR 14, Part 107 and the changes coming related to the Class 3 pilot medical certificate in early 2017. He described some of the FAAST Team activities and goals. Bob's presentations included:

- a. Palm Beach Approach is open for business and services serving KVRB, KFPR, KSUA and (soon) KOBE. South of Melbourne frequency is 123.62.
- b. ADS-B out requirements to be mandatory by 2020
- c. Samsung phone ban on aircraft and lithium battery challenges
- d. FAAST UAS Outreach program
- e. New airman certification standards for UAS pilots.
- f. FAA SPANS free subscription.

9. Aviation Seminars/Meetings in the local area:

- a. FREE UAS Operations in the NAS Seminar, 25 Oct 16, 1900-2100, Daytona Beach (Dennis R. McGee/Volusia Room), find more info at <https://www.faasafety.gov/SPANS/events/EventList.aspx>
- b. CFI Workshop, 15 Nov 16, Orlando FSDO

10. Greg Fox, Bob Jex and a few other members stated that the SCASA concept has evolved into a well organized assembly and it is time to begin formal documentation of the meeting discussions, trending topics, meeting locations and additional collaborations. Bob Jex noted that with the FAA briefing he provided attendance at the meeting would earn FAA WINGS credit for any attendee who wanted the credit. Bob provided his powerpoint briefing to Greg and Joe will distribute it to members.

11. Next Meeting (date TBA): The Eastern Range Scheduling Office and 45<sup>th</sup> Space Wing Flight Safety has proposed to host the next event.

12. The meeting was adjourned at 1240L.

SCASA Team